

FILE COPY

09266

WORK PLAN No. D-583-4-4-20  
REVISION 1

INTERNAL REVIEW

	INITIAL/ DATE	COMMENTS
_____	_____	_____
DiNitto	_____	_____
Smith	_____	_____
Palermo	_____	_____
Roscoe	_____	_____
Cleaver	_____	_____
Morin	_____	_____
DeMarco	_____	_____
DeLuca	_____	_____
Buckley	_____	_____



SDMS DocID

530343

NUS/FIT REGION I  
TASK WORK PLAN  
FOR THE

SPLIT SAMPLING OF WELLS AT  
INTERSTATE UNIFORM

LOCATED  
in

WOBURN, MASSACHUSETTS

TDD NO. F1-8703-07A  
0300.01

NUS JOB NO. 3425  
PREPARED UNDER:  
TASK NO. 03  
MILESTONE NO. 01

Superfund Records Center

SITE: Wells G.H.

BREAK: 1.15 core

OTHER: 530343

Submitted by: Daniel J. Sandhaus  
Date: April 24, 1984

Reviewed and Approved:

REGION I/FIT  
NUS CORPORATION  
19 CROSBY DRIVE  
BEDFORD, MASSACHUSETTS 01730

RPM: [Signature]  
Date: 5-9-84

RQAR: Anthony DeMarco  
Date: 5-8-84

DATE OF EVENT: May 1, 1984

OBJECTIVE:

To collect split samples of groundwater from wells upgradient of the Interstate Uniform facility in order to verify the presence or absence of 50 ppb or greater of tetrachloroethylene.

PREVIOUS FIELD WORK:

The previous FIT (Ecology and Environment) conducted a full field hydrogeologic investigation in East and North Woburn, Massachusetts. This work identified several suspect source areas of contamination, one of which is in the vicinity of Interstate Uniform. Data from this work has led EPA to issue a work order to study its alleged contamination of the aquifer in question with tetrachloroethylene. EPA agreed that if 50 ppb or greater of tetrachloroethylene is found upgradient of Interstate's facility, EPA will rescind all outstanding orders against the company.

In March, 1984 Interstate Uniform's contractor installed a total of six wells at two locations upgradient of Interstate's facility. NUS/FIT provided technical oversight during well drilling and installation to discern if any tampering occurred during this work. The wells have now been allowed to stabilize for several weeks allowing the well water to equilibrate with the local groundwater.

TECHNICAL APPROACH:

NUS/FIT will provide sample tags, chain of custody forms and 40 ml glass vials to Interstate Uniforms' contractor. Daniel Sandhaus will be present during sample collection to record observations, fill out sample tags and chain of custody forms and possibly, to assist in sample collection. Technical observations will be made to define procedures used by contractors and how they differ from NUS/FIT Guidelines. This procedure will include proper decontamination of sampling equipment (bailers, pumps), water level measurement, purging at least three well

volumes and allowing adequate recharge of the wells prior to sampling. The contractor will also measure pH and specific conductance of the groundwater. Each split sample collected for NUS/FIT will consist of three 40 ml VOA vials and be preserved with  $\text{Hg}_2\text{Cl}_2$ . One 40 ml vial from each sample will be screened for tetrachloroethylene on an OVA and photovac using two to three column confirmation and quantifying with standards, by NUS/FIT. The remaining two vials from each sample will be sent to a national contract lab to be analyzed for volatiles on GC/MS.

All sample collection, sample preservation, chain of custody and sample shipping protocol will be followed in accordance with Region I NUS/FIT Operating Guidelines Nos. 8, 21 and 22.

DRAFT

Sample Summary: Groundwater samples will be collected from 6 to possibly 8 wells depending on whether well 1 and well 6 are sampled. One water blank and one replicate will be collected.

Sample Location Rationale: (include site sketch)

NA-Taking splits for enforcement concerns

SAMPLE SUMMARY MATRIX					
	Total	Volatiles	Extractables	Metals	Full Priorities Other (Specify)
Groundwater	6-8	6-8			
Surface Water					
Soil					
Sediment					
Waste (specify					
Blanks	1	1			
Replicates (water)	1	1			
Replicates (soil)					
Replicates (sediment)					
Replicates (waste-specify)					
Total	8-10	8-10			

### Safety Considerations:

- SUSPECTED HAZARDOUS MATERIALS-
- CONCENTRATIONS-
- PHYSICAL STATE (Water, Drummed, Soil, Lagoon, Sludge, Sediment, Air)
- REFERENCE ANALYTICAL DATA AND DATES COLLECTED/ANALYZED
- ANY PREVIOUS SAFETY PLANS FOR THE SITE.

Other Comments:

A large, stylized outline of the word "BRA" in a bold, blocky font, tilted diagonally across the page. The letters are composed of thick black outlines, and the word is positioned in the upper right quadrant of the page.

TDD F1-8303-07A  
SITE NAME Interstate

### SAFETY PLAN

Site Name: Interstate Uniform Contact: \_\_\_\_\_  
Address: Woburn, MA Phone Number: \_\_\_\_\_  
\_\_\_\_\_  
Other Contacts: \_\_\_\_\_  
\_\_\_\_\_

Purpose of Site Visit: To collect sample splits

Proposed Date(s) of Work: May 1, 1984

Proposed Site Investigation Team:

NUS Personnel:

Dan Sandhaus

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Other

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Responsibilities:

Document Samples and sampling  
procedures

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Purpose

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Plan Preparation:

Prepared by: \_\_\_\_\_ ( \_\_ / \_\_ / \_\_ )

Reviewed by: \_\_\_\_\_ ( \_\_ / \_\_ / \_\_ )  
Regional Health Safety Coordinator

Approvals:

Regional Manager: \_\_\_\_\_

TDD F1-8303-07A  
SITE NAME Interstate

## SITE DESCRIPTION

Investigative area consists of 6 wells located in 2 locations upgradient of Interstate Uniform. Three wells are on the east site of the Charrett Co. parking lot, and 3 wells are located along the entrance ramp of Route 128 at Washington Street

### Proposed On-Site Activities (identify by number):

1) NUS/FIT will provide sample bottles to contractors for collection of samples, make observations and will complete sample documentation.

### Perimeter Establishment:

Map/Sketch attached? no  
Perimeter identified? yes  
Zone(s) of contamination identified? yes  
groundwater

### Monitoring Procedures:

#### Site Monitoring Equipment:

<input type="checkbox"/> HNU	<input type="checkbox"/> TLD Badge
<input type="checkbox"/> OVA	<input type="checkbox"/> Radiation mini-alert
<input type="checkbox"/> Photovac	<input type="checkbox"/> Explosimeter
<input type="checkbox"/> Drager Tube & Pump	<input type="checkbox"/> O <sub>2</sub> meter
<input type="checkbox"/> Victoreen Radiation Detector	
<input type="checkbox"/> Other: _____	

Methods for Surveillance: Not required

TDD F1-8303-07A  
SITE NAME Interstate

**RECOMMENDED LEVEL(S) OF PROTECTION:**

Task: Split Collection

- Respiratory: level D
- Modifications: none

Task:

- Respiratory: \_\_\_\_\_
- Modifications: \_\_\_\_\_

Task:

- Respiratory: \_\_\_\_\_
- Modifications: \_\_\_\_\_

Task: Split Collection

- Field Dress: Field clothes
- Modifications: \_\_\_\_\_

Task:

- Field Dress: \_\_\_\_\_
- Modifications: \_\_\_\_\_

Task:

- Field Dress: \_\_\_\_\_
- Modifications: \_\_\_\_\_



TDD F1-8303-07A  
SITE NAME Interstate

**EMERGENCY REFERENCE**

**POLICE:**

911

**FIRE:**

933-3131

**HOSPITAL:** Choate Memorial

Address:  
21 Warren Avenue  
Woburn, MA

PHONE: 933-6700

**AMBULANCE:** 933-3131

**POISON CENTER:** 1-617-232-2120

**DOCTOR:**

Robert Wainer (Region I physician)  
Univ. of Pittsburg

1-617-762-0209  
see attachment

**CORPORATE:**

NUS/Bedford  
Gregory Roscoe  
Richard DiNitto

1-617-275-2970  
1-617-665-8810 (home)  
1-617-263-9853

**NEAREST PHONE-**